

10784377

Sheet 1 of 1

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
08425ZP

SERIAL NO.

10784377

AC

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)APPLICANT
Richard Van Court Carr, et al..

FILING DATE

GROUP

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS

EXAM- INER DATE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPLICABLE
2/20/03	0 0 5 9 7 1 0	3/27/2003	Inoue	430	270.1	
2/20/03	0 0 0 4 5 7 0	1/10/2002	A. Zampini, et al.	528	257	2/23/2001
2/20/03	0 0 5 1 9 3 8	5/2/2002	Y. Harada, et al.	430	270.1	8/7/2001
2/20/03	0 0 5 5 0 6 0	5/9/2002	G. N. Taylor, et al.	430	270.1	8/8/2001
2/20/03	0 0 6 1 4 6 4	5/23/2002	T. Arai, et al.	430	270.1	8/25/2001
2/20/03	6 2 9 1 1 3 0	9/18/2001	K. Kodama, et al.	430	270.1	7/27/1999
2/20/03	6 4 0 6 8 2 8	6/18/2002	C. R. Szmanda, et al.	430	270.1	2/24/2000

NPB
07/22/06

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
2 1 7 9 7 3 1	4/20/03	Japan (Abstract)			X
0 2 3 1 5 9 5	4/20/03	World	G03F	7/00	X
1 1 0 3 8 5 6	5/20/01	Europe	G03F	7/039	X
1 1 2 6 3 2 2	5/20/01	Europe	G03F	7/039	X
0 0 1 7 7 1 2	5/20/01	World	G03F	7/039	X
0 0 6 7 0 7 2	11/5/00	World	G03F	7/004	X
0 1 6 3 3 6 2	5/20/01	World	G03F	7/00	X
0 1 8 5 8 1 1	11/5/00	World	G03F	7/004	X
0 2 2 1 2 1 2	4/20/03	World	G03F	7/004	X
0 2 2 1 2 1 3	5/20/01	World	G03F	7/004	X
0 2 2 1 2 1 4	5/20/01	World	G03F	7/004	X
0 2 2 1 2 1 6	5/20/01	World	G03F	7/039	X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

OK	Hiroshi Ito, et al., "Synthesis and Evaluation of Alicyclic Backbone Polymers for 193 nm Lithography", American Chemical Society, 1998.
OK	Hiroshi Ito, et al., "Aliphatic Platforms for the Design of 157 nm Chemically Amplified Resists", SPIE Proceedings, Vol. 4690 (2002), 18-28.
OK	M. M. Dzingra, et al., "Polymerization of 1,1,1-Trifluoroacetone with Aliphatic Secondary Amines. A Proton and Fluorine Magnetic Resonance Investigation," Organic Magnetic Resonance, Vol. 9, No. 1 (1977), pp. 23-28.
OK	H. E. Simmons, et al., "Fluoroketones" The Central Research Department Station, E. I. du Pont de Nemours and Co., Vol. 82 (1959), pp. 2288-2296.
OK	E. T. McBees, et al., "The Chemistry of 1,1,1-Trifluoropropanone. II. The Reactions of 4-Methyl-1,1,1,5,5,5-hexafluoro-3-penten-2-one with Methylmagnesium Iodide," The Department of Chemistry, Purdue University (1956), pp. 4597-4598.
OK	A. L. Henne, et al., "Trifluoromethylated Butadienes," The Department of Chemistry at The Ohio State University (1954), pp. 5147-5148.
OK	K. J. Pryzbilla, et al., "Hexafluoroacetone in Resist Chemistry: A Versatile New Concept for Materials for Deep UV Lithography," SPIE Advances in Resist Chemistry and Process IX Vol. 1672 (1992).
OK	M. K. Crawford, et al., "New Materials for 157 nm Photoresists: Characterization and Properties," SPIE Advances in Resist Chemistry and Processing IX Vol. 3999 (2000).
OK	R. R. Dammel, et al., "New Resin Systems for 157 nm Lithography," Journal of Photopolymer Science and Technology, Vol. 14 No. 4 (2001).
OK	H. Ito, et al., "Development of 157 nm Positive Resists," J. Vac. Sci. Technol. B 19(6) (2001).
OK	H. Ito, "Dissolution Behavior of Chemically Amplified Resist Polymers for 248-, 193-, and 157-nm Lithography," J. Res. & Dev. Vol. 45 No. 5 (2001).
OK	S. Cho, et al., "Investigation of a Fluorinated ESCAP based resist for 157 nm Lithography," (2001).
OK	K. Patterson, et al., "The Challenges in Materials Design for 157 nm Photoresists," Lithography, Solid State Technology, pp. 41-48 (2000).

EXAMINER

R. Karp

DATE CONSIDERED

4/15/06

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1449 (05/23/06)

NOV 12 2004

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete If Known

Application Number	10/784,377
Filing Date	02/23/2004
First Named Inventor	Richard Van Court Carr, et al.
Art Unit	1752
Examiner Name	
Attorney Docket Number	06425ZP USA

U. S. PATENT DOCUMENTS

[illegible]

NPB
07/22/06

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ² Number ³ Kind Code ^{4,5} (none)				
EL		WO 00/67072	11/08/2000	Du Pont		

Examiner Signature	R. Yano	Date Considered	4/15/06
-----------------------	---------	--------------------	---------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 601.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard BT.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

14419 04/24/06 (page 3 of 3)